

EPA, REGION 7

Herculaneum Lead Smelter Site

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2.0



Superfund

0400



Current Actions at Site

- Surface soil replacement;
- Cleaning home interiors;
- Provide HEPA vacuums to residents;
- Enforce improvements of smelter operations;
- Slag pile response (NTCRA);

Current Actions at Site

- Daily cleaning of haul route streets;
- Community outreach/Health education;
- Monitoring for recontamination;
- Voluntary buyout within 3/8 mile of facility (MDNR).

Site Progress

- 102 HEPA vacuums provided by EPA;
- 908 yards sampled; 616 yards have all or partial lead contamination above 400 ppm (67%);
- Soils replaced at 407 yards;
- Only homes with less than 800 ppm lead remain;
- 113 home interiors cleaned;
- EE/CA slag pile approved;

Site Progress

- Automated truck wash installed at facility;
- Verified lead emissions reduction for 10 consecutive quarters (meeting NAAQS) followed by 3 quarters of not meeting NAAQS lead standard;
- 50% reduction in prevalence of child EBLs by end of 2002. Currently no child EBLs identified in Herculaneum;
- New bridge construction.





Sampling/Monitoring

- Ambient air monitoring;
- Soil sampling;
- Street sampling – concentration and loading;
- Interior dust – concentration and loading;
- Deposition sampling.

Other Site Issues

- Recontamination
- Vacant housing/reuse;
- Ecological Impacts;
- Access refusals;
- NAAQS lawsuit



NAAQS Lawsuit

- Court ordered schedule on Sept. 14, 2005, requiring EPA to complete its review of the lead standard and publish a final rule making by Sept. 1, 2008.
- Review by Office of Air Quality, Planning, and Standards (OAQPS) is underway.

